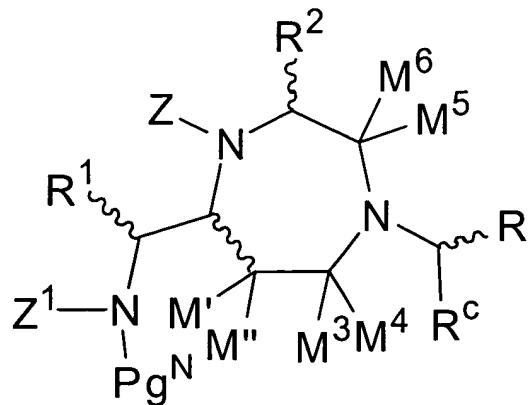


In the Claims

1-112. (Canceled)

113. (Previously Presented) A general mimetic of the structure



wherein:

~~~~ indicates a bond at a chiral centre of the structure which centre may be in the R or S configuration or a mixture thereof;

R, R<sup>1</sup> and R<sup>2</sup> are amino acid side chain groups which may be the same or different;

M' and M" may be the same or different and are selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, chloro and C<sub>1</sub>-C<sub>4</sub> alkoxy;

M<sup>3</sup>, M<sup>4</sup>, M<sup>5</sup> and M<sup>6</sup> define a lactam as follows:

- (i) M<sup>3</sup>, M<sup>4</sup> when taken together with the ring carbon to which they are attached form a carbonyl group, M<sup>5</sup> and M<sup>6</sup> = H, or
- (ii) M<sup>3</sup> is H and M<sup>4</sup> = M', M<sup>5</sup> and M<sup>6</sup> when taken together with the carbon atom to which they are attached form a carbonyl group;

$Z'$  is selected from the group consisting of hydrogen or methyl or part of a cyclic amino acid sidechain joined to  $R^1$ ;

$Pg^N$  is a protecting group for amine;

$R^C$  is selected from the group consisting of a carboxy terminal part of the mimetic, hydrogen,  $R$ , and  $CH_2R$ ; and

$Z$  is selected from the group consisting of hydrogen, methyl, ethyl, formyl, acetyl,  $-CH_2R$ , and  $C(O)R$ .

114. (Withdrawn) A peptide mimetic as claimed in claim 113 wherein when  $Q^1$  and  $Q^2$  form a cyclic group  $Q^1Q^2$  which is selected from the group consisting of  $-CH(R)C(O)-$ ,  $-CH_2CH(R)C(O)-$ ,  $-CH_2CH_2CH(R)C(O)-$ ,  $-CH(R)CH_2-$ ,  $-CH_2CH(R)CH_2-$ ,  $-CH_2CH_2CH(R)CH_2-$ ,  $-CH_2CH(R)-$ ,  $-CH_2CH_2CH(R)-$ ,  $-CH(R)CH_2CH_2-$ ,  $-CH_2CH(R)CH_2CH_2-$ ,  $-CH(R)CH_2C(O)-$  and  $-CH_2CH(R)CH_2C(O)-$ .

115. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R$ ,  $Q^2$  is  $Z$ ,  $Q^3$  is  $C(O)$  or  $CH_2$ .

116. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R$ ,  $Q^2$  is  $Z$ ,  $Q^3$  is  $-C(O)N(Q^5)CH(R)C(O)-$  or  $-C(O)N(Q^5)CH(R)CH_2-$ .

117. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $CH(R)C(O)Q^2$ ,  $Q^1Q^2$  forms a cyclic group  $-CH(R)C(O)-Q^2$ ,  $Q^3$  is  $C(O)$  or  $CH_2$ .

118. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $CH_2CH(R)C(O)Q^2$ ,  $Q^1Q^2$  forms a cyclic group  $-CH_2CH(R)C(O)-$ ,  $Q^3$  is  $C(O)$  or  $CH_2$ .

119. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $R^C$  is  $C(O)Pg^C$  where  $Pg^C$  is a protecting group for carboxylic acid.

120. (Previously Presented) A peptide mimetic as claimed in Claim 119 wherein  $Pg^C$  is selected from the group consisting of alkoxy, benzyloxy, allyloxy, fluorenylmethoxy, amines forming easily removable amides, a cleavable linker to a solid support, the solid support, hydroxy,  $NHR$ ,  $OR$ ,  $R$  or the remaining C-terminal portion of the mimetic.

121. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $Pg^N$  is selected from a group consisting of Boc, Cbz, Alloc, trityl, a cleavable linker to a solid support, the solid support, hydrogen,  $R$ ,  $C(O)R$  or part of the remaining N-terminal portion of the mimetic.

122. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $M'$  or  $M''$  is methoxy.

123. (Withdrawn) A peptide mimetic is claimed in Claim 113 wherein  $M'$  or  $M''$  is methyl.

124. (Previously Presented) A peptide mimetic as claimed in Claim 113 wherein  $Z$  is  $H$ ,  $Z^1$  is  $H$  and  $R^C$  is  $C(O)Pg^C$ .

125. (Withdrawn) A peptide mimetic as claimed in Claim 124 wherein  $R^1$  and  $R^2 \neq H$

126. (Currently Amended) A peptide mimetic as claimed in claim 113 wherein  $Z$  is hydrogen,  $M^5$  and  $M^6$  when taken together with the carbon atom to which they are attached form a carbonyl group  $M^5$  and  $M^6 = H$ ,  $Z^1 = H$ , and  $R^C$  is  $C(O)Pg^C$ .

127. (Withdrawn) A peptide mimetic as claimed in Claim 126 wherein  $R^1$  and  $R^2 \neq H$

128. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein  $Q^1$  is  $R^1$ ,  $Q^2$  is hydrogen,  $Q^3$  is  $-C(O)N(Q^5)CH(R)C(O)-$ ,  $Z^1 = H$  and  $R^C$  is  $C(O)Pg^C$ .

129. (Withdrawn) A peptide mimetic as claimed in Claim 113 wherein Q<sup>1</sup> is R<sup>1</sup>, Q<sup>2</sup> is hydrogen, Q<sup>3</sup> is -C(O)N(Q<sup>5</sup>)CH(R)CH<sub>2</sub>-, Z<sup>1</sup>=H and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

130. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is C(O), Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

131. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is CH<sub>2</sub>, Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

132. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH<sub>2</sub>CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is C(O), Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

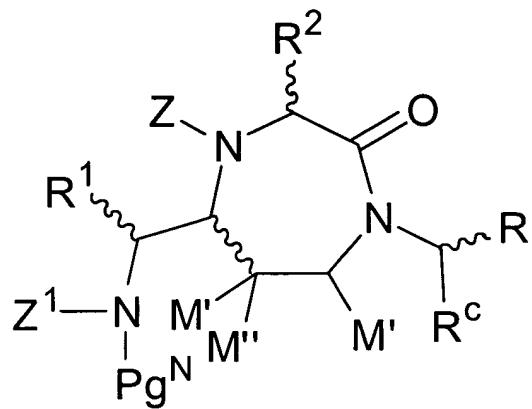
133. (Withdrawn) A peptide mimetic as claimed in Claim 114 wherein Q<sup>1</sup>Q<sup>2</sup> is -CH<sub>2</sub>CH(R<sup>2</sup>)C(O)-, Q<sup>3</sup> is CH<sub>2</sub>, Z<sup>1</sup>=R<sup>1</sup> and R<sup>C</sup> is C(O)Pg<sup>C</sup>.

134. (Previously Presented) A peptide mimetic according to claim 113 wherein R, R<sup>1</sup> and R<sup>2</sup> are each independently selected from the group consisting of

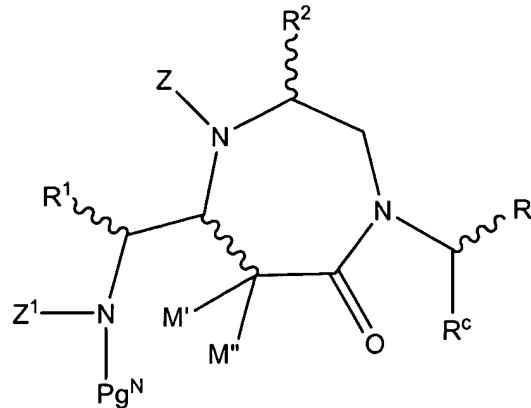
- (i) -CH<sub>3</sub>,
- (ii)  $-\text{CH}_2-\overset{\text{O}}{\underset{\text{||}}{\text{C}}}-\text{NH}_2$ ,
- (iii) -CH<sub>2</sub>SH,
- (iv) -CH<sub>2</sub>CH<sub>2</sub>-C(O)NH<sub>2</sub>,
- (v) -H,
- (vi) -CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>,
- (vii) -CH<sub>2</sub>-CH(CH<sub>3</sub>)<sub>2</sub>,
- (viii) -CH<sub>2</sub>CH<sub>2</sub>S-CH<sub>3</sub>,
- (ix) -CH<sub>2</sub>Ph,
- (x) -CH<sub>2</sub>OH,
- (xi) -CH(OH)CH<sub>3</sub>,

(xii)  $-\text{CH}_2\text{-}(3\text{-indolyl})$   
 (xiii)  $-\text{CH}_2\text{-Ph-OH}$ ,  
 (xiv)  $-\text{CH}(\text{CH}_3)_2$ ,  
 (xv)  $-\text{CH}_2\text{CO}_2\text{H}$ ,  
 (xvi)  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-NH-C-NH}_2$ ,  
 ||  
 NH  
 (xvii)  $-\text{CH}_2\text{-}\begin{array}{c} \text{N} \\ \diagup \\ \text{C} \\ \diagdown \\ \text{N} \\ \text{H} \end{array}$ , and  
 (xix)  $-\text{CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-NH}_2$ .  
 (xx)  $-\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ .

135. (Previously Presented) A mimetic according to claim 113 having the structure:



136. (Withdrawn) A mimetic according to claim 113 having the structure:



137. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein M', M'' are H.

138. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein Z, Z<sup>1</sup> are H.

139. (Withdrawn) A peptide mimetic as claimed in claim 135 wherein R<sup>1</sup> and R<sup>2</sup>  $\neq$  H.

140. (Previously Presented) A peptide mimetic as claimed in claim 135 wherein R<sup>C</sup> is C(O)Pg<sup>C</sup> where Pg<sup>C</sup> is a protecting group for carboxylic acid.

141. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein M', M'' are H.

142. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein Z, Z<sup>1</sup> are H.

143. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein R<sup>1</sup> and R<sup>2</sup>  $\neq$  H.

144. (Withdrawn) A peptide mimetic as claimed in claim 136 wherein R<sup>C</sup> is C(O)Pg<sup>C</sup> where Pg<sup>C</sup> is a protecting group for carboxylic acid.